**PING COMMAND**

**SOURCE CODE**

**Client Program:**

import java.io.\*; import java.net.\*;

import java.util.Calendar; class pingclient

{

public static void main(String args[])throws Exception

{

String str; int c=0; long t1,t2;

Socket s=new Socket ("127.0.0.1",5555);

DataInputStream dis=new DataInputStream(s.getInputStream()); PrintStream out=new PrintStream(s.getOutputStream()); while(c<4)

{

t1=System.currentTimeMillis();

str="Welcome to network programming world"; out.println(str); System.out.println(dis.readLine()); t2=System.currentTimeMillis(); System.out.println(";TTL="+(t2-t1)+"ms"); c++;

}

s.close();

}

**Server Program:**

import java.io.\*;

import java.net.\*;

import java.util.\*;

import java.text.\*;

class pingserver

{

public static void main(String args[])throws Exception

{

ServerSocket ss=new ServerSocket(5555);

Socket s=ss.accept();

int c=0; while(c<4)

{

DataInputStream dis=new DataInputStream(s.getInputStream()); PrintStream out=new PrintStream(s.getOutputStream());

String str=dis.readLine();

out.println("Reply from"+InetAddress.getLocalHost()+";Length"+str.length()); c++;

}

s.close();}}

**INPUT & OUTPUT**

C:\>javac pingserver.java

Note: pingserver.java uses or overrides a deprecated API.

Note: Recompile with -Xlint:deprecation for details.

C:\>java pingserver

C:\>javac pingclient.java

Note: pingclient.java uses or overrides a deprecated API.

Note: Recompile with -Xlint:deprecation for details.

C:\>java pingclient

Reply fromwelcome-PC/192.168.1.100;Length36; TTL=50ms

Reply fromwelcome-PC/192.168.1.100;Length36; TTL=0ms

Reply fromwelcome-PC/192.168.1.100;Length36; TTL=0ms

Reply fromwelcome-PC/192.168.1.100;Length36; TTL=0ms